



KRISTHERM

**HEAT PUMPS
SCREW & SCROLL**



INBUILT TANK

2 kW – 7 kW

KRISTHERM	MINI II 2-200 HPHW-I	MINI II 3-300 HPHW-I	MINI II 7-500 HPHW-I
Capacity (kW)	1.8	2.4	6.8
COP	3	4	4.55
Max. Hot water temperature (°C)	80	80	60
Tank Capacity (L)	200	300	500
Backup Heater (kW)	2	2	4
Refrigerant	R134a	R134a	R410a
Compressor Type	Rotary	Rotary	Rotary
Dimensions (L x W x H) (mm)	Ø560 X 1950	Ø650 X 1950	735 x 1000 x 1720

DOMESTIC HEAT PUMP

5 kW – 11 kW



KRISTHERM	MINI II 5.4 HP	MINI II 7.6 HP	MINI II 10.8 HP
Capacity (kW)	5.4	7.6	10.8
COP	4.3	4.2	4.2
Max. Hot water temperature (°C)	60	60	60
Refrigerant	R410a	R410a	R410a
Compressor Type	Rotary	Rotary	Rotary
Dimensions (L x W x H) (mm)	1000 x 350 x 620	1000 x 350 x 620	1000 x 350 x 620



SWIMMING POOL HEAT PUMP

18 kW – 106 kW

KRISTHERM	MINI II 50 SP-HP I	MINI II 100 SP-HP I	MINI II 150 SP-HP I	MINI II 200 SP-HP I
Capacity (kW)	18.3	39.8	53.5	77.5
COP	4.69	4.74	4.73	4.64
Max. Hot water temperature (°C)	40	40	40	40
Refrigerant	R410A	R410A	R410A	R410A
Compressor Type	Scroll	Scroll	Scroll	Scroll
Dimensions (L x W x H) (mm)	750 x 805 x 1165	1500 x 750 x 1075	1530 x 790 x 1100	1705 x 1065 x 1200

KRISTHERM	MINI II 250 SP-HP I	MINI II 300 SP-HP I
Capacity (kW)	90.3	105.8
COP	4.70	4.64
Max. Hot water temperature (°C)	40	40
Refrigerant	R410A	R410A
Compressor Type	Scroll	Scroll
Dimensions (L x W x H) (mm)	2005 x 1065 x 1400	2005 x 1065 x 1400

SCROLL HEAT PUMP

19 kW – 292 kW



KRISTHERM	MINI II 20 HPI	MINI II 30 HPI	MINI II 40 HPI	MINI II 50 HPI
Capacity (kW)	19	32	40	50
COP	4.22	4.3	4.32	4
Max. Hot water temperature (°C)	60	60	60	60
Refrigerant	R410a	R410a	R410a	R410a
Compressor Type	Scroll	Scroll	Scroll	Scroll
Dimensions (L x W x H) (mm)	770 x 770 x 780	1500 x 750 x 1080	1500 x 750 x 1080	1510 x 810 x 1530

KRISTHERM	MINI II 120 HP	MINI II 160 HP	MINI II 8080 HP	MINI II 100100 HP
Capacity (kW)	56.1	71.7	73.7	99.2
COP	3.87	3.75	3.72	4.07
Max. Hot water temperature (°C)	60	60	60	60
Refrigerant	R410a	R410a	R410a	R410a
Compressor Type	Scroll	Scroll	Scroll	Scroll
Dimensions (L x W x H) (mm)	1240 x 550 x 1580	1240 x 550 x 1580	1580 x 550 x 1850	1850 x 750 x 1850

KRISTHERM	MINI II 120120 HP	MINI II 160160 HP	AW 200200 HP	AW 200260 HP
Capacity (kW)	111.3	147.1	196.4	220.7
COP	3.91	3.82	3.43	3.47
Max. Hot water temperature (°C)	60	60	60	60
Refrigerant	R410a	R410a	R410a	R410a
Compressor Type	Scroll	Scroll	Scroll	Scroll
Dimensions (L x W x H) (mm)	1850 x 750 x 1850	1850 x 890 x 1850	2330 x 2200 x 2050	2330 x 2200 x 2050

KRISTHERM	AW 260260 HP	AW 260310 HP	AW 310310 HP
Capacity (kW)	253.3	273.5	292.7
COP	3.48	3.36	3.26
Max. Hot water temperature (°C)	60	60	60
Refrigerant	R410a	R410a	R410a
Compressor Type	Scroll	Scroll	Scroll
Dimensions (L x W x H) (mm)	2330 x 2200 x 2050	2330 x 2200 x 2050	2330 x 2200 x 2050



SCROLL HEAT PUMP SHELL TUBE

18 kW – 177 kW

KRISTHERM	MINI III 80 AWSTHP	MINI III 125 AWSTHP	MINI III 190 AWSTHP	MINI III 250 AWSTHP
Capacity (kW)	18.7	26.3	43.5	54.9
COP	4.16	3.99	4.14	4.01
Max. Hot water temperature (°C)	65	65	65	65
Refrigerant	R134a	R134a	R134a	R134a
Compressor Type	Scroll	Scroll	Scroll	Scroll
Dimensions (L x W x H) (mm)	1250 x 600 x 1150	1250 x 600 x 1150	1390 x 770 x 1900	1390 x 770 x 1900

KRISTHERM	MINI III 380 AWSTHP	MINI III 250250 AWSTHP	MINI III 250380 AWSTHP	MINI III 380380 AWSTHP
Capacity (kW)	74.6	105.5	128.3	171.6
COP	3.69	3.88	3.77	4.18
Max. Hot water temperature (°C)	65	65	65	65
Refrigerant	R134a	R134a	R134a	R134a
Compressor Type	Scroll	Scroll	Scroll	Scroll
Dimensions (L x W x H) (mm)	1390 x 770 x 1900	2200 x 770 x 1900	2200 x 770 x 1900	2200 x 1450 x 2200

WATER TO WATER SCROLL HEAT PUMP

33 kW – 166 kW



KRISTHERM	MINI 30-1 WWHP	MINI 40-1 WWHP	MINI 50-1 WWHP	MINI 60-1 WWHP
Capacity (kW)	33.5	41.4	49.7	63.9
COP	5.91	5.79	5.90	5.76
Max. Hot water temperature (°C)	60	60	60	60
Refrigerant	R410a	R410a	R410a	R410a
Compressor Type	Scroll	Scroll	Scroll	Scroll
Dimensions (L x W x H) (mm)	1210 x 1225 x 1350	1210 x 1225 x 1350	1210 x 1225 x 1350	1210 x 1225 x 1350

KRISTHERM	MINI 80-1 WWHP	MINI 100-2 WWHP	MINI 120-2 WWHP	MINI 160-2 WWHP
Capacity (kW)	81.8	99.6	124.5	166
COP	5.44	6.22	5.69	5.60
Max. Hot water temperature (°C)	60	60	60	60
Refrigerant	R410a	R410a	R410a	R410a
Compressor Type	Scroll	Scroll	Scroll	Scroll
Dimensions (L x W x H) (mm)	1210 x 1225 x 1570	1210 x 1225 x 1350	1210 x 1225 x 1350	1600 x 1225 x 1520



HIGH TEMPERATURE SCROLL HEAT PUMP

27 kW – 83 kW

KRISTHERM	MINI IV 30 HT HPI	MINI IV 40 HT HPI	MINI IV 60 HT HPI	MINI IV 70 HT HPI	MINI IV 80 HT HPI
Capacity (kW)	27.6	41.1	55.1	65.3	82.6
COP	2.56	2.57	2.56	2.57	2.56
Max. Hot water temperature (°C)	80	80	85	85	85
Refrigerant	R134A	R134A	R134A	R134A	R134A
Compressor Type	Scroll	Scroll	Scroll	Scroll	Scroll
Dimensions (L x W x H) (mm)	1580 x 800 x 1600	1580 x 800 x 1600	1850 x 1000 x 1950	2000 x 1100 x 2080	2000 x 1100 x 2080

WATER COOLED SCREW HEAT PUMP

86 kW – 1579 kW



KRISTHERM	THR65 801 WHP	THR65 1201 WHP	THR65 1601 WHP	THR65 2001 WHP
Capacity (kW)	86.92	140.67	173.91	221.17
COP	4.81	4.87	4.98	5.02
Max. Hot water temperature (°C)	65	65	65	65
Refrigerant	R134a	R134a	R134a	R134a
Compressor Type	Screw	Screw	Screw	Screw
Dimensions (L x W x H) (mm)	2140 x 1115 x 1600	2180 x 1115 x 1600	2100 x 1155 x 1655	2140 x 1155 x 1655

KRISTHERM	THR65 2401 WHP	THR65 2801 WHP	THR65 3201 WHP	THR65 3601 WHP
Capacity (kW)	263.72	314.16	351.35	380.53
COP	5.03	5.06	4.99	5.11
Max. Hot water temperature (°C)	65	65	65	65
Refrigerant	R134a	R134a	R134a	R134a
Compressor Type	Screw	Screw	Screw	Screw
Dimensions (L x W x H) (mm)	2140 x 1185 x 1650	3365 x 1200 x 1650	3375 x 1230 x 1550	3360 x 1230 x 1550

KRISTHERM	THR65 4001 WHP	THR65 4401 WHP	THR65 4801 WHP	THR65 5201 WHP
Capacity (kW)	422.76	472.64	515.34	581.02
COP	5.13	4.97	4.98	5.00
Max. Hot water temperature (°C)	65	65	65	65
Refrigerant	R134a	R134a	R134a	R134a
Compressor Type	Screw	Screw	Screw	Screw
Dimensions (L x W x H) (mm)	3360 x 1185 x 1650	3360 x 1185 x 1650	4130 x 1480 x 1705	4330 x 1455 x 1705

KRISTHERM	THR65 6001 WHP	THR65 6801 WHP	THR65 7601 WHP	THR65 9201 WHP
Capacity (kW)	657.37	723.91	858.84	1018.95
COP	5.19	5.22	5.29	5.34
Max. Hot water temperature (°C)	65	65	65	65
Refrigerant	R134a	R134a	R134a	R134a
Compressor Type	Screw	Screw	Screw	Screw
Dimensions (L x W x H) (mm)	4330 x 1455 x 1705	4330 x 1455 x 1705	4450 x 1590 x 1550	4450 x 1590 x 1550

KRISTHERM	THR65 11601 WHP	THR65 12401 WHP	THR65 14002 WHP	THR65 15602 WHP
Capacity (kW)	1217.04	1377.89	1536.66	1717.7
COP	5.22	5.34	5.29	5.29
Max. Hot water temperature (°C)	65	65	65	65
Refrigerant	R134a	R134a	R134a	R134a
Compressor Type	Screw	Screw	Screw	Screw
Dimensions (L x W x H) (mm)	4450 x 1590 x 1550	4450 x 1590 x 1550	4510 x 1860 x 1670	4510 x 1860 x 1670

KRISTHERM	THR75 801 WHP	THR75 1201 WHP	THR75 1601 WHP	THR75 2001 WHP
Capacity (kW)	88.68	138.24	182.75	216.63
COP	3.22	3.29	3.33	3.33
Max. Hot water temperature (°C)	85	85	85	85
Refrigerant	R1234ze	R1234ze	R1234ze	R1234ze
Compressor Type	Screw	Screw	Screw	Screw
Dimensions (L x W x H) (mm)	2140 x 1115 x 1600	2180 x 1115 x 1600	2100 x 1155 x 1655	2140 x 1155 x 1655

KRISTHERM	THR75 2401 WHP	THR75 2801 WHP	THR75 3201 WHP	THR75 3601 WHP
Capacity (kW)	263.1	294.45	354.5	389.73
COP	3.35	3.24	3.18	3.19
Max. Hot water temperature (°C)	85	85	85	85
Refrigerant	R1234ze	R1234ze	R1234ze	R1234ze
Compressor Type	Screw	Screw	Screw	Screw
Dimensions (L x W x H) (mm)	2140 x 1185 x 1650	3365 x 1200 x 1650	3375 x 1230 x 1550	3360 x 1230 x 1550

KRISTHERM	THR75 3601 WHP	THR75 4001 WHP	THR75 4401 WHP	THR75 4801 WHP
Capacity (kW)	389.73	429.49	468.41	507.66
COP	3.19	3.21	3.28	3.24
Max. Hot water temperature (°C)	85	85	85	85
Refrigerant	R1234ze	R1234ze	R1234ze	R1234ze
Compressor Type	Screw	Screw	Screw	Screw
Dimensions (L x W x H) (mm)	3360 x 1230 x 1550	3360 x 1185 x 1650	3360 x 1185 x 1650	4130 x 1480 x 1705

KRISTHERM	THR75 5201 WHP	THR75 6001 WHP	THR75 6801 WHP	THR75 7601 WHP
Capacity (kW)	578.96	645.95	746.31	851.84
COP	4.07	4.07	3.35	3.47
Max. Hot water temperature (°C)	85	85	85	85
Refrigerant	R1234ze	R1234ze	R1234ze	R1234ze
Compressor Type	Screw	Screw	Screw	Screw
Dimensions (L x W x H) (mm)	4330 x 1455 x 1705	4330 x 1455 x 1705	4330 x 1455 x 1705	4450 x 1590 x 1550

KRISTHERM	THR75 9202 WHP	THR75 10002 WHP	THR75 10802 WHP	THR75 11602 WHP
Capacity (kW)	978.62	1064.94	1139.57	1269.83
COP	3.84	3.82	3.69	3.89
Max. Hot water temperature (°C)	85	85	85	85
Refrigerant	R1234ze	R1234ze	R1234ze	R1234ze
Compressor Type	Screw	Screw	Screw	Screw
Dimensions (L x W x H) (mm)	4450 x 1590 x 1550	4450 x 1590 x 1550	4450 x 1590 x 1550	4700 x 1930 x 1670

KRISTHERM	THR75 13202 WHP	THR75 14002 WHP	THR75 15602 WHP
Capacity (kW)	1375.01	1532.82	1703.68
COP	3.84	3.45	3.47
Max. Hot water temperature (°C)	85	85	85
Refrigerant	R1234ze	R1234ze	R1234ze
Compressor Type	Screw	Screw	Screw
Dimensions (L x W x H) (mm)	4700 x 1930 x 1670	4700 x 1930 x 1670	4700 x 1930 x 1670

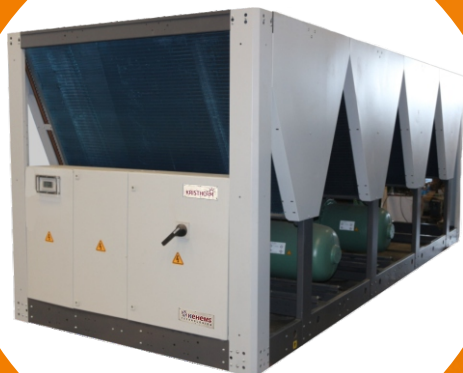
KRISTHERM	THR85 801 WHP	THR85 1201 WHP	THR85 1601 WHP	THR85 2001 WHP
Capacity (kW)	91.65	133.7	182.74	225.77
COP	3.86	3.91	3.99	3.88
Max. Hot water temperature (°C)	85	85	85	85
Refrigerant	R1234ze	R1234ze	R1234ze	R1234ze
Compressor Type	Screw	Screw	Screw	Screw
Dimensions (L x W x H) (mm)	2140 x 1115 x 1600	2180 x 1115 x 1600	Screw	2140 x 1155 x 1655

KRISTHERM	THR85 2401 WHP	THR85 2801 WHP	THR85 3201 WHP	THR85 3601 WHP
Capacity (kW)	269.21	298.31	347.59	380.68
COP	3.89	3.89	3.84	3.85
Max. Hot water temperature (°C)	85	85	85	85
Refrigerant	R1234ze	R1234ze	R1234ze	R1234ze
Compressor Type	Screw	Screw	Screw	Screw
Dimensions (L x W x H) (mm)	2140 x 1185 x 1650	3365 x 1200 x 1650	3375 x 1230 x 1550	3360 x 1230 x 1550

KRISTHERM	THR85 4001 WHP	THR85 4401 WHP	THR85 5201 WHP	THR85 6001 WHP
Capacity (kW)	426.54	495.34	554.98	656.47
COP	3.91	3.96	4.12	3.91
Max. Hot water temperature (°C)	85	85	85	85
Refrigerant	R1234ze	R1234ze	R1234ze	R1234ze
Compressor Type	Screw	Screw	Screw	Screw
Dimensions (L x W x H) (mm)	3360 x 1185 x 1650	3360 x 1185 x 1650	4130 x 1480 x 1705	4330 x 1455 x 1705

KRISTHERM	THR85 6801 WHP	THR85 7601 WHP	THR85 9201 WHP	THR85 11601 WHP
Capacity (kW)	737.2	811.5	1035.57	1259.81
COP	4.03	4.16	4.11	4.11
Max. Hot water temperature (°C)	85	85	85	85
Refrigerant	R1234ze	R1234ze	R1234ze	R1234ze
Compressor Type	Screw	Screw	Screw	Screw
Dimensions (L x W x H) (mm)	4330 x 1455 x 1705	4330 x 1455 x 1705	4450 x 1590 x 1550	4450 x 1590 x 1550

KRISTHERM	THR85 13201 WHP	THR85 14002 WHP	THR85 14802 WHP
Capacity (kW)	1373.36	1446.84	1578.73
COP	4.02	3.94	4.02
Max. Hot water temperature (°C)	85	85	85
Refrigerant	R1234ze	R1234ze	R1234ze
Compressor Type	Screw	Screw	Screw
Dimensions (L x W x H) (mm)	4450 x 1590 x 1550	4700 x 1930 x 1670	4700 x 1930 x 1670



AIR COOLED SCREW HEAT PUMP

202 kW – 947 kW

KRISTHERM	601 AWSCHPV	901 AWSCHPV	1251 AWSCHPV	1401 AWSCHPV
Capacity (kW)	202.1	302.3	433.6	473.3
COP	3.70	3.73	3.69	3.61
Max. Hot water temperature (°C)	65	65	65	65
Refrigerant	R134a	R134a	R134a	R134a
Compressor Type	Screw	Screw	Screw	Screw
Dimensions (L x W x H) (mm)	2200 x 1465 x 2300	2890 x 2200 x 2300	2890 x 2200 x 2300	2890 x 2200 x 2300

KRISTHERM	1202 AWSCHPV	1502 AWSCHPV	1802 AWSCHPV	2152 AWSCHPV
Capacity (kW)	404.2	504.4	604.6	735.9
COP	3.70	3.72	3.73	3.70
Max. Hot water temperature (°C)	65	65	65	65
Refrigerant	R134a	R134a	R134a	R134a
Compressor Type	Screw	Screw	Screw	Screw
Dimensions (L x W x H) (mm)	2930 x 2200 x 2300	4355 x 2200 x 2300	5780 x 2200 x 2300	5780 x 2200 x 2300

KRISTHERM	2502 AWSCHPV	2652 AWSCHPV	2802 AWSCHPV
Capacity (kW)	867.2	906.9	946.6
COP	3.69	3.65	3.61
Max. Hot water temperature (°C)	65	65	65
Refrigerant	R134a	R134a	R134a
Compressor Type	Screw	Screw	Screw
Dimensions (L x W x H) (mm)	5780 x 2200 x 2300	5780 x 2200 x 2300	5780 x 2200 x 2300



KRISTHERM[®]

HEAT PUMPS SCREW & SCROLL



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